ASUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
mber 3	Length 4	Breadth 5	Depth 6	7	8

First & Final Bill

SBR No - 66/15-16
Dt: 30-5-15

BR-30/30-5-15

M.A.R. 57 (Rule 116)
Measurement Book

No. A/11 193850

Serial No.....

Name of work... providing and Erection of Rain water Recharging Pits at Vidyaranyapura Main Road, Doddabommasandra main Road To, Ramachandrapura Main Road and 2nd Block BEL Layout in ward No-10.

Name of Contractor of nature of Agency... Sri. K.V. Subhareddy.

Date of commencement of work... 22-04-2015

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Work Code No:	010-12-000015.					
	Agreement No:	30 Dated 22/04/2015.					
	Work order No:	EE/BTP/BBMP/E-PMT/30/2014-15. Date 22/04/2015.					
	Head of Account:	P-0541.					
	Address of Agency:	#106/B, Ashwathnagara, RMV 2nd Stage, Bangalore-94					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1) Earth work excavation for foundation of buildings, Culverts water Supply, Sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, Stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods etc						
	a)	L -	3.142 x 1.10 x 1.10 / 4		x 4.00 =	3.80 Cum	
	b)	L -	3.142 x 1.10 x 1.10 / 4		x 4.00 =	3.80 Cum	
	c)	L -	3.142 x 1.10 x 1.10 / 4		x 4.00 =	3.80 Cum	
	d)	L -	3.142 x 1.10 x 1.10 / 4		x 4.00 =	3.80 Cum	
	e)	L -	3.142 x 1.10 x 1.10 / 4		x 4.00 =	3.80 Cum	
	f)	L -	3.142 x 1.10 x 1.10 / 4		x 4.00 =	3.80 Cum	
	g)	L -	3.142 x 1.10 x 1.10 / 4		x 4.00 =	3.80 Cum	

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Serial No.....

Name of work.....Fr

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	
		Number
1	2	3
h)		L -
i)		L -
j)		L -
k)		L -
l)		L -
m)		L -
n)		L -
o)		L -

NT BOOK

mensions			Contents	Reference to last Measurement
n	Breadth 5	Depth 6	7	8
tion of buildings, Culverts water				
al conduits either in pits or in				
dth in hard soil not exceeding 1.5m				
u bottom and sides of pits and				
oil clear from edges of excavation				
ng of clods etc				
1·10x1·10		x4·00	= 3·80cum	
u				
x1·10x1·10		x4·00	= 3·80cum	
u				
42x 1·10x1·10		x4·00	= 3·80cum	
u				
42x 1·10x1·10		x4·00	= 3·80cum	
u				
42x 1·10x1·10		x4·00	= 3·80cum	
u				
42x 1·10x1·10		x4·00	= 3·80cum	
u				
42x 1·10x1·10		x4·00	= 3·80cum	
u				

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193851

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
h)		1	3·142x 1·10x1·10		x4·00	= 3·80cum	
j)		1	3·142x 1·10x1·10		x4·00	= 3·8cum	
j)		1	3·142x 1·10x1·10		x4·00	= 3·80cum	
k)		1	3·142x 1·10x1·10		x4·00	= 3·80cum	
l)		1	3·142x 1·10x1·10		x4·00	= 3·8cum	
m)		1	3·142x 1·10x1·10		x4·00	= 3·80cum	
n)		1	3·142x 1·10x1·10		x4·00	= 3·80cum	
o)		1	3·142x 1·10x1·10		x4·00	= 3·80cum	
		u					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
p)		L —	3.142x1.10x1.10 / 4		x4.00	= 3.80 Cum	
q)		L —	3.142x1.10x1.10 / 4		x4.00	= 3.80 Cum	
r)		L —	3.142x1.10x1.10 / 4		x4.00	= 3.80 Cum	
s)		L —	3.142x1.10x1.10 / 4		x4.00	= 3.80 Cum	
t)		L —	3.142x1.20x1.20 / 4		x4.00	= 4.52 Cum	
u)		L —	3.142x1.10x1.10 / 4		x4.00	= 3.80 Cum	
					Total	= 80.56 Cum	
		Qty limited to Tender				= 79.65 Cum	
		@ RS 243.86				RS 19423.00	

M.A.R. 57

Measurem

Serial No.....

Name of work.....From.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Di	
		Number	Lengt
1	2	3	4
2)	Laying reinforced cement concrete culverts on first class bedding including fixing collar with cem protection works, backfilling, co walls and parapets complete o		
a)		L —	4.00
b)		L —	4.00
c)		L —	4.00
d)		L —	4.00
e)		L —	4.00
f)		L —	4.00

EASURE MENT BOOK

Number 3	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
L	3.142 x 1.10 x 1.10 / 4		x 1.0	= 3.80 cum	
L	3.142 x 1.10 x 1.10 / 4		x 4.00	= 3.80 cum	
L	3.142 x 1.10 x 1.10 / 4		x 4.00	= 3.80 cum	
L	3.142 x 1.10 x 1.10 / 4		x 4.00	= 3.80 cum	
L	3.142 x 1.20 x 1.20 / 4		x 4.00	= 4.52 cum	
L	3.142 x 1.10 x 1.10 / 4		x 4.00	= 3.80 cum	
			Total	= 80.56 cum	
Qty limited to Tender				= 79.65 cum	
@ RS 243.86				RS 19423.00	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193852

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
2)	Laying reinforced cement concrete pipe NP4 / prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation protection works, backfilling, concrete and masonary works in head walls and parapets complete as per specifications.						
a)		L 1	4.00			= 4.00 mt	
b)		L 1	4.00			= 4.00 mt	
c)		L 1	4.00			= 4.00 mt	
d)		L 1	4.00			= 4.00 mt	
e)		L 1	4.00			= 4.00 mt	
f)		L 1	4.00			= 4.00 mt	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
g)		1	40.00		=	40.00 sft	
h)		1	40.00		=	40.00 sft	
i)		1	40.00		=	40.00 sft	
j)		1	40.00		=	40.00 sft	
k)		1	40.00		=	40.00 sft	
l)		1	40.00		=	40.00 sft	
m)		1	40.00		=	40.00 sft	
n)		1	40.00		=	40.00 sft	
o)		1	40.00		=	40.00 sft	
p)		1	40.00		=	40.00 sft	
q)		1	40.00		=	40.00 sft	
r)		1	40.00		=	40.00 sft	
s)		1	40.00		=	40.00 sft	
t)		1	40.00		=	40.00 sft	
u)		1			Total =	840.00 sft	
		Qty limited to Tender			=	60.00 sft	

M.A.R. 5

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Serial No.....

Name of work.....From

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
		@ RS 11/0
3)	providing and fixing in found and down size with approve watering, including cost of a lift etc	
a)		1
b)		1
c)		1
d)		1

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
4.00		=	4.00 mt	
4.00		=	4.00 mt	
4.00		=	4.00 mt	
4.00		=	4.00 mt	
4.00		=	4.00 mt	
4.00		=	4.00 mt	
4.00		=	4.00 mt	
4.00		=	4.00 mt	
4.00		=	4.00 mt	
4.00		=	4.00 mt	
4.00		=	4.00 mt	
4.00		=	4.00 mt	
4.00		=	4.00 mt	
4.00		=	4.00 mt	
4.00		=	4.00 mt	
4.00		=	4.00 mt	
4.00		=	4.00 mt	
4.00		=	4.00 mt	
4.00		=	4.00 mt	
		Total =	84.00 mt	
Transfered to Tender		=	60.00 mt	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193853

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		@ RS 1142.83				RS 668570.00	
	3) providing and filling in foundation with granite/trap broken metal 100mm and down size with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift etc.						
	a)	1	3.142 x 4 x 0.80 x 0.80		x 0.90 =	0.45 cum	
	b)	1	3.142 x 4 x 0.80 x 0.80		x 0.90 =	0.45 cum	
	c)	1	3.142 x 4 x 0.80 x 0.80		x 0.90 =	0.45 cum	
	d)	1	3.142 x 4 x 0.80 x 0.80		x 0.90 =	0.45 cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
e)		1 —	3.142 x 0.8 x 0.80		x 0.90 =	0.45 Cum	
f)		1 —	3.142 x 0.8 x 0.80		x 0.90 =	0.45 Cum	
g)		1 —	3.142 x 0.8 x 0.80		x 0.90 =	0.45 Cum	
h)		1 —	3.142 x 0.80 x 0.80		x 0.90 =	0.45 Cum	
i)		1 —	3.142 x 0.80 x 0.80		x 0.90 =	0.45 Cum	
j)		1 —	3.142 x 0.80 x 0.80		x 0.90 =	0.45 Cum	
k)		1 —	3.142 x 0.80 x 0.80		x 0.90 =	0.45 Cum	
l)		1 —	3.142 x 0.8 x 0.80		x 0.90 =	0.45 Cum	
m)		1 —	3.142 x 0.8 x 0.80		x 0.90 =	0.45 Cum	
n)		1 —	3.142 x 0.8 x 0.80		x 0.90 =	0.45 Cum	
o)		1 —	3.142 x 0.80 x 0.80		x 0.90 =	0.45 Cum	

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Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Numbe
1	2	3
p)		1
q)		1
r)		1
s)		1
t)		1
u)		1

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
$\frac{3.142 \times 0.8 \times 0.80}{4}$		x 0.90 =	0.45 Cum	
$\frac{3.142 \times 0.8 \times 0.80}{4}$		x 0.90 =	0.45 Cum	
$\frac{3.142 \times 0.8 \times 0.80}{4}$		x 0.90 =	0.45 Cum	
$\frac{3.142 \times 0.80 \times 0.80}{4}$		x 0.90 =	0.45 Cum	
$\frac{3.142 \times 0.80 \times 0.80}{4}$		x 0.90 =	0.45 Cum	
$\frac{3.142 \times 0.80 \times 0.80}{4}$		x 0.90 =	0.45 Cum	
$\frac{3.142 \times 0.80 \times 0.80}{4}$		x 0.90 =	0.45 Cum	
$\frac{3.142 \times 0.8 \times 0.80}{4}$		x 0.90 =	0.45 Cum	
$\frac{3.142 \times 0.8 \times 0.80}{4}$		x 0.90 =	0.45 Cum	
$\frac{3.142 \times 0.8 \times 0.80}{4}$		x 0.90 =	0.45 Cum	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193854

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
P)		1	$\frac{3.142 \times 0.80 \times 0.80}{4}$		x 0.90 =	0.45 Cum	
2)		1	$\frac{3.142 \times 0.80 \times 0.80}{4}$		x 0.90 =	0.45 Cum	
3)		1	$\frac{3.142 \times 0.80 \times 0.80}{4}$		x 0.90 =	0.45 Cum	
5)		1	$\frac{3.142 \times 0.80 \times 0.80}{4}$		x 0.90 =	0.45 Cum	
6)		1	$\frac{3.142 \times 0.80 \times 0.80}{4}$		x 0.90 =	0.45 Cum	
4)		1	$\frac{3.142 \times 0.80 \times 0.80}{4}$		x 0.90 =	0.45 Cum	
					Total =	9.50 Cum	
	Qty limited to tender				=	9.43 Cum	
	@ Rs 1808.53					Rs 17054.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
u)	Supply and providing Aggregate 53mm nominal Size etc complete and as per the directions of the Engineer-in-charge of the work.						
a)		1	$\frac{3.142 \times 0.80 \times 0.80}{4}$		$\times 0.45$	$= 0.23 cum$	
b)		1	$\frac{3.142 \times 0.80 \times 0.80}{4}$		$\times 0.45$	$= 0.23 cum$	
c)		1	$\frac{3.142 \times 0.80 \times 0.80}{4}$		$\times 0.45$	$= 0.23 cum$	
d)		1	$\frac{3.142 \times 0.80 \times 0.80}{4}$		$\times 0.45$	$= 0.23 cum$	
e)		1	$\frac{3.142 \times 0.80 \times 0.80}{4}$		$\times 0.45$	$= 0.23 cum$	
f)		1	$\frac{3.142 \times 0.80 \times 0.80}{4}$		$\times 0.45$	$= 0.23 cum$	
g)		1	$\frac{3.142 \times 0.80 \times 0.80}{4}$		$\times 0.45$	$= 0.23 cum$	
h)		1	$\frac{3.142 \times 0.80 \times 0.80}{4}$		$\times 0.45$	$= 0.23 cum$	
i)		1	$\frac{3.142 \times 0.80 \times 0.80}{4}$		$\times 0.45$	$= 0.23 cum$	

M.A.R. 5

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Serial No.....

Name of work.....From

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
d)		1 — 3
k)		1 — 3
j)		
m)		1 — 3
n)		1 — 3
o)		1 — 3
		1 3
p)		1 3
q)		1 3
		1 3

EASUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8
ggregate 53mm nominal Size				ete complete and	
of the Engineer-in-charge				of the work.	
1	3.142 x 0.80 x 0.80 / 4			x 0.45 = 0.23 Cum	
1	3.142 x 0.80 x 0.80 / 4			x 0.45 = 0.23 Cum	
1	3.142 x 0.80 x 0.80 / 4			x 0.45 = 0.23 Cum	
1	3.142 x 0.80 x 0.80 / 4			x 0.45 = 0.23 Cum	
1	3.142 x 0.80 x 0.80 / 4			x 0.45 = 0.23 Cum	
1	3.142 x 0.80 x 0.80 / 4			x 0.45 = 0.23 Cum	
1	3.142 x 0.80 x 0.80 / 4			x 0.45 = 0.23 Cum	
1	3.142 x 0.80 x 0.80 / 4			x 0.45 = 0.23 Cum	
1	3.142 x 0.80 x 0.80 / 4			x 0.45 = 0.23 Cum	

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193855

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
d)		1	3.142 x 0.80 x 0.80 / 4			x 0.45 = 0.23 Cum	
K)		1	3.142 x 0.80 x 0.80 / 4			x 0.45 = 0.23 Cum	
J)		1	3.142 x 0.80 x 0.80 / 4			x 0.45 = 0.23 Cum	
m)		1	3.142 x 0.80 x 0.80 / 4			x 0.45 = 0.23 Cum	
n)		1	3.142 x 0.80 x 0.80 / 4			x 0.45 = 0.23 Cum	
o)		1	3.142 x 0.80 x 0.80 / 4			x 0.45 = 0.23 Cum	
P)		1	3.142 x 0.80 x 0.80 / 4			x 0.45 = 0.23 Cum	
2)		1	3.142 x 0.80 x 0.80 / 4			x 0.45 = 0.23 Cum	
		1	3.142 x 0.80 x 0.80 / 4			x 0.45 = 0.23 Cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
a)		1	$3.142 \times \frac{0.80 \times 0.80}{4} \times 0.45$			= 0.23 Cum	
b)		1	$3.142 \times \frac{0.80 \times 0.80}{4} \times 0.45$			= 0.23 Cum	
c)		1	$3.142 \times \frac{0.80 \times 0.80}{4} \times 0.45$			= 0.23 Cum	
d)		1	$3.142 \times \frac{0.80 \times 0.80}{4} \times 0.45$			= 0.23 Cum	
	Cut Steel for Ring	1	$3.142 \times 0.90 \times 2.50 \times 0.20$			= 1.41 Cum	
		1	$3.142 \times 0.90 \times 2.5 \times 0.20$			= 1.41 Cum	
		1	$3.142 \times 0.90 \times 2.5 \times 0.20$			= 1.41 Cum	
		1	$3.142 \times 0.90 \times 2.5 \times 0.20$			= 1.41 Cum	
		1	$3.142 \times 0.90 \times 2.5 \times 0.20$			= 1.41 Cum	
		1	$3.142 \times 0.9 \times 2.5 \times 0.20$			= 1.41 Cum	
		1	$3.142 \times 0.9 \times 2.5 \times 0.20$			= 1.41 Cum	
		1	$3.142 \times 0.9 \times 2.5 \times 0.20$			= 1.41 Cum	
		1	$3.142 \times 0.90 \times 2.5 \times 0.20$			= 1.41 Cum	
						Total = 17.48 Cum	

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Serial No.....

Name of work.....F

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
		Qty
		@
5)	Supply and providing Aggreg the directions of the Engi	
	Qty same as Item	
	@ Rs	
6)	Supply and providing Aggr Per the direction of the Eng	

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
3.142x 0.80x 0.80 / 4		x0.45 =	0.23 Cum	
3.142x 0.80x 0.80 / 4		x0.45 =	0.23 Cum	
3.142x 0.80x 0.80 / 4		x0.45 =	0.23 Cum	
3.142x 0.80x 0.80 / 4		x0.45 =	0.23 Cum	
3.142x 0.90x 2.50		x0.20 =	1.41 Cum	
3.142x 0.90x 2.5x		0.20 =	1.41 Cum	
3.142x 0.90x 2.5x		0.20 =	1.41 Cum	
3.142x 0.90x 2.5x		0.20 =	1.41 Cum	
3.142x 0.90x 2.5x		0.20 =	1.41 Cum	
3.142x 0.90x 2.5x		0.20 =	1.41 Cum	
3.142x 0.9x 2.5x		0.20 =	1.41 Cum	
3.142x 0.9x 2.5x		0.20 =	1.41 Cum	
3.142x 0.9x 2.5x		0.20 =	1.41 Cum	
3.142x 0.90x 2.5x		0.20 =	1.41 Cum	
		Total =	17.48 Cum	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193856

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		Qty limited to Tender =				16.50 Cum	
		@ Rs 676.08				Rs 11155.00	
	5) Supply and providing Aggregate 40mm and below etc complete and as per the directions of the Engineer-in-charge						
	Qty same of Item no-03					= 9.43 Cum	
		@ Rs 751.20				Rs 7084.00	
	6) Supply and providing Aggregate 20mm and below etc. complete and as Per the direction of the Engineer-in-charge						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty Same as Item No- 5 @ RS 751.20 @ RS 939.00					= 9.43 Cum RS 7084.00 RS 8855.00	
	7) Supply and providing Sand etc complete and as per the directions of the Engineer-in-charge of the work Qty vide Same as Item No- 3 @ RS 1361.55					= 9.43 Cum RS 12839.00	
	8) providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs, with 20mm and down size graded granite metal, coarse aggregates machine mixed concrete laid in layers not exceeding 15cms thick, Vibrated						

Serial No.....

Name of work.....

Name of Contractor of nature of Agen

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	for all works in fo staircase, lintels, ref plasters, column. pie curing etc. complete
a)	
b)	
c)	
d)	
e)	

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
ay Item No- 5			= 9.43 Cum	
81.20			RS 765.00	
939.00			RS 8855.00	
d etc complete and as per the directions of of the work				
ay Item No- 3			= 9.43 Cum	
S 1361.55			RS 12839.00	
osition reinforced cement concrete of design t @320Kgs, with 20mm and down size e aggregate) machine mixed concrete eeding 15cms thick. Vibrated				

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193857

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	for all works in foundation plinth and ground floor level for roof slabs staircase, lintels, retaining walls walls (any thickness) including attached plasters, columns, piers, abutments pillars, posts, studs, buttresses curing etc. complete and as per the directions)						
a)		1	3.142x	0.9x0.90	x0.10 =	0.06 Cum	
b)		1	3.142x	0.9x0.90	x0.10 =	0.06 Cum	
c)		1	3.142x	0.9x0.90	x0.10 =	0.06 Cum	
d)		1	3.142x	0.9x0.90	x0.10 =	0.06 Cum	
e)		1	3.142x	0.9x0.90	x0.10 =	0.06 Cum	
		4					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
f)		1	$\frac{3.142 \times 0.9 \times 0.9}{4} \times 0.10 =$			0.06 cum	
g)		1	$\frac{3.142 \times 0.9 \times 0.9}{4} \times 0.10 =$			0.06 cum	
h)		1	$\frac{3.142 \times 0.9 \times 0.9}{4} \times 0.10 =$			0.06 cum	
i)		1	$\frac{3.142 \times 0.9 \times 0.9}{4} \times 0.10 =$			0.06 cum	
j)		1	$\frac{3.142 \times 0.9 \times 0.9}{4} \times 0.10 =$			0.06 cum	
k)		1	$\frac{3.142 \times 0.9 \times 0.9}{4} \times 0.10 =$			0.06 cum	
l)		1	$\frac{3.142 \times 0.9 \times 0.9}{4} \times 0.10 =$			0.06 cum	
m)		1	$\frac{3.142 \times 0.9 \times 0.9}{4} \times 0.10 =$			0.06 cum	
n)		1	$\frac{3.142 \times 0.9 \times 0.9}{4} \times 0.10 =$			0.06 cum	
o)		1	$\frac{3.142 \times 0.9 \times 0.9}{4} \times 0.10 =$			0.06 cum	

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Serial No.....

Name of work.....F

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
p)		1
q)		1
r)		1
s)		1
t)		1
u)		1
		1 RS

EASUREMENT BOOK

Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
4	3.142x0.9x0.9		x0.10 =	0.06cum	
4	3.142x0.9x0.9		x0.10 =	0.06cum	
4	3.142x0.9x0.9		x0.10 =	0.06cum	
4	3.142x0.9x0.9		x0.10 =	0.06cum	
4	3.142x0.9x0.9		x0.10 =	0.06cum	
4	3.142x0.9x0.9		x0.10 =	0.06cum	
4	3.142x0.9x0.9		x0.10 =	0.06cum	
4	3.142x0.9x0.9		x0.10 =	0.06cum	
4	3.142x0.9x0.9		x0.10 =	0.06cum	
4	3.142x0.9x0.9		x0.10 =	0.06cum	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193858

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
P)		4	3.142x0.9x0.9		x0.10 =	0.06cum	
Q)		4	3.142x0.9x0.9		x0.10 =	0.06cum	
R)		4	3.142x0.9x0.9		x0.10 =	0.06cum	
S)		4	3.142x0.9x0.9		x0.10 =	0.06cum	
T)		4	3.142x0.9x0.9		x0.10 =	0.06cum	
U)		4	3.142x0.9x0.9		x0.10 =	0.06cum	
		4	3.142x0.9x0.9		x0.10 =	0.06cum	
					Total=	1.34cum	
		@ RS 5589.83				RS 7490.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	9) providing mild steel reinforcement for R.C.C work including Straightening, Cutting bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as Per design Qty vide page no - 193898 of this M.B no. 193g @ RS 7350.59					= 0.94 Qtl RS 6910.00	
	10) Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5mt. excavated surface levelled and sides neatly dressed the disposal earth to be levelled neatly after breaking of clods etc						

Serial No.....

Name of work.....

Name of Contractor of nature of Agency...

Date of commencement of work.....

Date	Full description, etc, of work	N
1	2	
	In Ashvini garden	

SUREMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
forcement for R.C.C. work including nding, hooking, placing in position, lapping required, tying with binding wire and members wherever necessary complete as				
age no- 193898				
no. 1939			= 0.94 Qtl	
RS 7350.59				RS 6910.00
manual means in hard soil involving an ow upto 2 meters and an average lift upto ee levelled and sides neatly dressed the levelled neatly after breaking of clods etc				

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193859

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	In Ashvini garden	1	30.00	(6.9+7.0)/2	0.15 =	31.28 Cum	
		1	11.00	(6.9+7.0)/2	0.15 =	11.47 Cum	
		1	30.00	(6.7+6.20)/2	0.15 =	29.03 Cum	
		1	30.00	(6.20+6.20)/2	0.15 =	27.90 Cum	
		1	24.00	(4.0+4.0)/2	0.15 =	14.40 Cum	
					Total =	114.07 Cum	
		Qty limited to Tender			=	112.47 Cum	
		@ RS 97.54				RS 109.70.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
11)	providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregate @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth, including cost of all materials labour.						
	In Ashwini Garden	L	30.00	$\frac{(6.9+7.0)}{2}$ 0.15	=	31.28 cum	
		L	11.00	$\frac{(6.9+7.0)}{2}$ 0.15	=	11.47 cum	
		L	30.00	$\frac{(6.70+6.20)}{2}$ 0.15	=	29.03 cum	
		L	30.00	$\frac{(6.20+6.20)}{2}$ 0.15	=	27.90 cum	
		L	24.00	$\frac{(4.0+4.0)}{2}$ 0.15	=	14.40 cum	
					Total =	114.07 cum	
		Qty limited to Tender			=	112.47 cum	
		@ Rs	4467.09			Rs	502414.0

Serial No.....

Name of work.....

Name of Contractor of nature of Ag

Date of commencement of work....

Date	Full description, etc, of work
1	2
12)	providing & fixing joint complete of for CC Road

Sketch 2

ASUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
nber 3	Length 4	Breadth 5	Depth 6	7	8
				...ation plain cement concrete of mix 1:4:8 ... with 40mm and down size graded granite ... @ 0.85 cum and fine aggregate @ 0.57 cum ... laid in layers not exceeding 15cms thick, ...atoon and plenth, including cost of all	
L	30.00	(6.9+7.0)/2	0.15	= 31.28 cum	
L	11.00	(6.9+7.0)/2	0.15	= 11.47 cum	
L	30.00	(6.70+6.20)/2	0.15	= 29.03 cum	
L	30.00	(6.20+6.20)/2	0.15	= 27.90 cum	
L	24.00	(4.0+4.0)/2	0.15	= 14.40 cum	
			Total =	114.07 cum	
Qty limited to Tender			=	112.47 cum	
@ RS 4467.09				RS	502414.00

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193860

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
12)	providing & fixing 20mm thick compressible fibre board in expansion joint complete as per drawing & technical specifications etc for CC Road	2	6.50		=	13.00 sqft	
		2	6.20		=	12.40 sqft	
		2	6.20		=	12.40 sqft	
		2	4.20		=	8.40 sqft	
		3	6.00		=	18.00 sqft	
		2	4.00		=	8.00 sqft	
					Total =	72.20 sqft	
	Qty limited to Tender				=	71.80 sqft	
	@ RS 129.81					RS	9320.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	13) providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.64 cum and fine aggregates machine mixed, concrete laid in layers not exceeding 15cm thick well compacted in foundation, plinth and cills, including cost of all materials.						
	In Ashwini Garden	1	30.00	$\frac{(6.9+7.00)}{2}$	0.125	= 26.06 cum	
		1	11.00	$\frac{(6.9+7.00)}{2}$	0.125	= 9.56 cum	
		1	30.00	$\frac{(6.7+6.120)}{2}$	0.125	= 24.19 cum	
		1	30.00	$\frac{(6.20+6.20)}{2}$	0.125	= 23.25 cum	
		1	24.00	$\frac{(4.0+4.0)}{2}$	0.10	= 9.60 cum	
						Total = 92.66 cum	
		Qty limited to Tender				= 88.93 cum	

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Serial No.....

Name of work.....Fro

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
		@ RS 5
14)	vacuum De-watering with -on with Skin floater Club generator HOM of machin and dust etc	
	In Ashwini Garden	1
		1
		1
		1

Sketch 2

MEASUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8
				in position plain cement Concrete of mix M20 300 kgs, with 20mm and down size graded aggregates @ 0.64 cum and fine aggregate Concrete laid in layers not exceeding 15cm in foundation, plinth and walls, including	
1	30.00	(6.9+7.00)/2	0.125	= 26.06 cum	
1	11.00	(6.9+7.00)/2	0.125	= 9.56 cum	
1	30.00	(6.7+6.20)/2	0.125	= 24.19 cum	
1	30.00	(6.20+6.20)/2	0.125	= 23.25 cum	
1	24.00	(4.0+4.0)/2	0.10	= 9.60 cum	
			Total	= 92.66 cum	
Qty limited to Tender				= 88.93 cum	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193861

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		@ Rs 5393.75				Rs 479666.00	
	(4) Vaccum De-Watering with vaccum pump and Suction mat and compaction with Skin floater clubbed with floating disk including cost of generator HOM of mechinery Screed vibrating, Power Floater, blade and disk etc In Ashwini Garden	1	30.00	(6.9+7.00)/2	= 208.00 Sqm		
		1	11.00	(6.9+7.00)/2	= 76.55 Sqm		
		1	30.00	(6.7+6.20)/2	= 193.50 Sqm		
		1	30.00	(6.2+6.20)/2	= 186.00 Sqm		

Sketch 1

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	24.00	$\frac{(4.0+4.0)}{2}$		= 96.00 Sqm	
					Total =	760.45 Sqm	
					Qty limited to tender =	749.80 Sqm	
					@ Rs 91.27	Rs	68434.00
	15) Lead for Disposal of Debris shall be payable at carriage rate by Mechanical means including loading and unloading.						
	Qty vide Item no - 01					= 192.12 Cum	
	@ Rs 70.00					Rs	13448.00
	16) Add 1% for third party inspection charges					Rs	184360

Serial No.....

Name of work.....

Name of Contractor of nature of Ag

Date of commencement of work...

Date	Full description, etc, of work
1	2
	Cefe Surveyor 30/5
	Certificate:
	Certified that materials
	Jadhav
	AE 30/5/2

Sketch 2

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
4.00	(4.0+4.0)/2	= 96.00 Sqm		
		Total = 760.45 Sqm		
		= 749.80 Sqm		
fed to tender				
91.27			Rs	68434.00
shall be payable at carriage rate				
oving loading and unloading.				
no - 01		= 192.12 Cum		
			Rs	13448.00
0.00				
nspection charges			Rs	1843600

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 193862

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

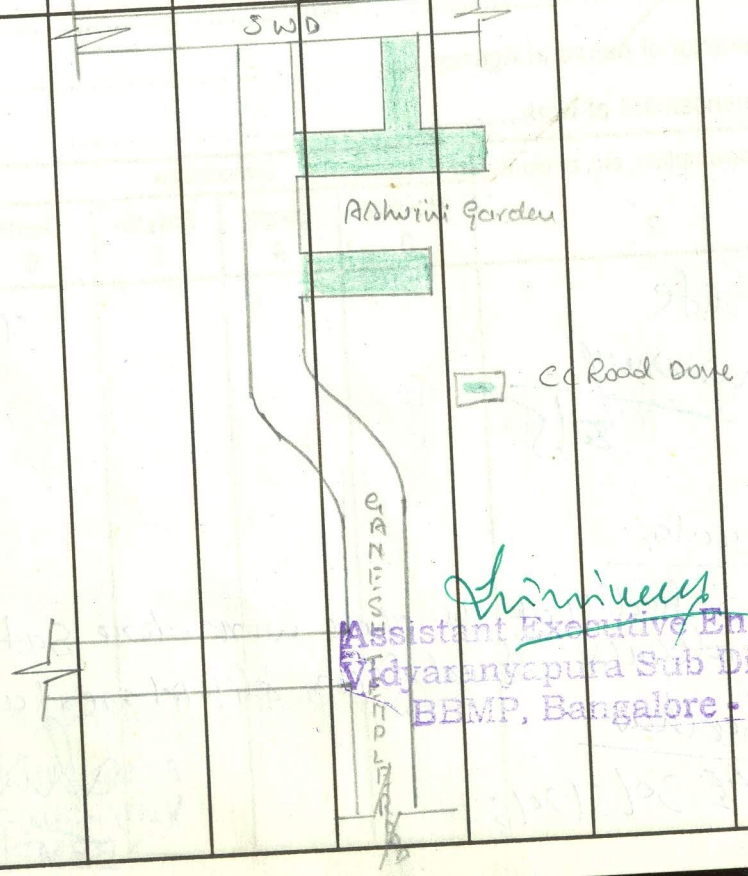
Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cafe Shuttle 30/5					Total Rs	1862068.00
						Zadhav	1843634
						AE 30/5/2015	
	Certificate: Certified that the above work done satisfactory and no materials issued from department Zadhav AE 30/5/2015.						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Sketch 2

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Assistant Executive Engine
Vidyaranyapura Sub Divisi
BBMP, Bangalore - 97

Zadhav
AE

Serial No.....

Name of work.....

Name of Contractor of nature of Agency

Date of commencement of work.....

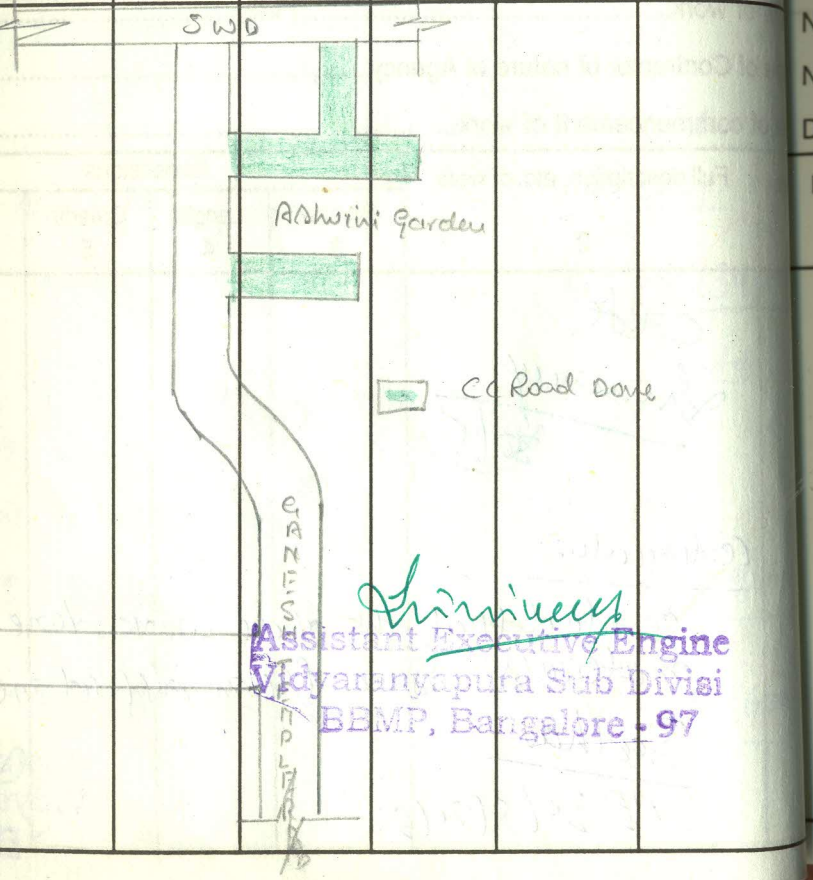
Date	Full description, etc, of work
1	2

1843

1599,674=0

MEASUREMENT BOOK

Dimensions				Contents	Reference to last Measureme
Number 3	Length 4	Breadth 5	Depth 6	7	8
	SWD				



Assistant Executive Engine
Vidyaranyapura Sub Divisi
BBMP, Bangalore - 97

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 193863

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	1843634=—				IT - 18436 —		
	243960=—				KSF - 73745 —		
	1599674=00				FSF - 110618 —		
					CWC - 18436 —		
					CSF - 18444 —		
					Roy - 20881 —		
					243960=00		